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◈ Yatin Chawathe, Mukund Seshadri
May 2002 NOSSDAV '02: Proceedings of the 12th international workshop on Network and operating systems support for digital audio and video
Publisher: ACM

Full text available: 📄 pdf(414.86 KB)   Additional Information: full citation, abstract, references, cited by, index terms

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Researchers and commercial developers have proposed several protocols to enable efficient multi-point communication both at the IP layer and at the application or overlay layer. However, no single protocol has made enough headway in terms of deployment ...

Keywords: broadcast, inter-domain, internetworking, multicast, overlay

2 Using query mediators for distributed searching in federated digital libraries
◈ Naomi Dushay, James C. French, Carl Lagoze
August 1999 DL '99: Proceedings of the fourth ACM conference on Digital libraries
Publisher: ACM

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Keywords: distributed searching, query routing, search engine performance

3 Availability, usage, and deployment characteristics of the domain name system
◈ Jeffrey Pang, James Hendricks, Aditya Akella, Roberto De Prisco, Bruce Maggs, Srinivasan Seshan
October 2004 IMC '04: Proceedings of the 4th ACM SIGCOMM conference on Internet measurement
Publisher: ACM

Full text available: 📄 pdf(856.34 KB)   Additional Information: full citation, abstract, references, index terms

The Domain Name System (DNS) is a critical part of the Internet's infrastructure, and is one of the few examples of a robust, highly-scalable, and operational distributed system. Although a few studies have been devoted to characterizing its properties, ...

Keywords: DNS, availability, federated

4 Modeling redirection in geographically diverse server sets
Lisa Amini, Anees Shaikh, Henning Schulzrinne
May 2003 WWW '03: Proceedings of the 12th international conference on World Wide Web
Publisher: ACM

Full text available: pdf(362.44 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Internet server selection mechanisms attempt to optimize, subject to a variety of constraints, the distribution of client requests to a geographically and topologically diverse pool of servers. Research on server selection has thus far focused primarily ...

Keywords: content distribution network (CDN), performance, server selection, web traffic redirection

5 Designing for scale and differentiation
Karen R. Sollins
October 2003 ACM SIGCOMM Computer Communication Review, Volume 33 Issue 4
Publisher: ACM

Full text available: pdf(345.48 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Naïve pictures of the Internet frequently portray a small collection of hosts or LAN's connected by a "cloud" of connectivity. The truth is more complex. The IP-level structure of the Internet is composed from a large number of constituent networks, ...

Keywords: Network Architecture, extensibility, heterogeneity, scalability

6 Designing for scale and differentiation
Karen R. Sollins
August 2003 FDNA '03: Proceedings of the ACM SIGCOMM workshop on Future directions in
          network architecture
Publisher: ACM

Full text available: pdf(345.48 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Naïve pictures of the Internet frequently portray a small collection of hosts or LAN's connected by a "cloud" of connectivity. The truth is more complex. The IP-level structure of the Internet is composed from a large number of constituent networks, ...

Keywords: Network Architecture, extensibility, heterogeneity, scalability

7 SHARP: an architecture for secure resource peering
   Yun Fu, Jeffrey Chase, Brent Chun, Stephen Schwab, Amin Vahdat
   October 2003 SOSP '03: Proceedings of the nineteenth ACM symposium on Operating
             systems principles
   Publisher: ACM

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   This paper presents Sharp, a framework for secure distributed resource management in
   an Internet-scale computing infrastructure. The cornerstone of Sharp is a construct to
   represent cryptographically protected resource <it>claims</it>---promises ...

   Keywords: peer-to-peer, resource allocation, resource peering

8 SHARP: an architecture for secure resource peering
   Yun Fu, Jeffrey Chase, Brent Chun, Stephen Schwab, Amin Vahdat
   December 2003 ACM SIGOPS Operating Systems Review, Volume 37 Issue 5
   Publisher: ACM

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   an Internet-scale computing infrastructure. The cornerstone of Sharp is a construct to
   represent cryptographically protected resource <it>claims</it>---promises ...

   Keywords: peer-to-peer, resource allocation, resource peering

9 Supporting large-scale distributed simulation using HLA
   Tainchi Lu, Chungnan Lee, Wenyang Hsia, Mingtang Lin
   July 2000 ACM Transactions on Modeling and Computer Simulation (TOMACS),
             Volume 10 Issue 3
   Publisher: ACM

   Full text available: 📄 pdf(239.58 KB)   Additional Information: full citation, abstract, references, cited by, index
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   Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 91, Citation Count: 4

   This article describes the design of a Web-based environment to support large-scale
   distributed simulation using Java and IEEE standard P1516 high level architecture (HLA)
   framework and rules. Based on the run-time infrastructure (RTI) services within ...

   Keywords: data distribution management (DDM), distributed interactive simulation
   (DIS), high level architecture (HLA), modeling and simulation, networked virtual
   environment, run-time infrastructure (RTI)

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